FIG. 1

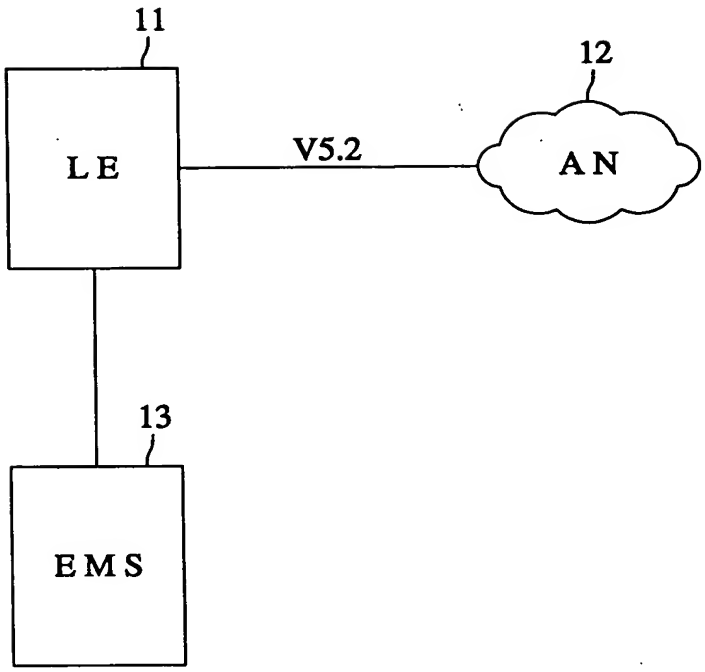


FIG. 2A

"01-S01:V5ID = 100,PSTN = ON,CTRL = OFF,BCC = OFF,LINKC = OFF,PROT = OFF, HEX = ON

V5ID = 100, PORTID = 3001

V5ID = 100, PORTID = 2005

...

V5ID = 100, PORTID = 0008

SUBSCRIBER REGISTERED IN V51D=100.
TEN SUBSCRIBERS ARE ACCOMMODATED
AT THE MAXIMUM

FIG. 2B

"01-S01:V5ID = 100,PSTN = ON,CTRL = ON,BCC = OFF,LINKC = OFF,PROT = OFF, HEX = ON

"01-S02:V5ID = 160,PSTN = OFF,CTRL = ON,BCC = OFF,LINKC = ON,PROT = OFF, HEX = ON

"01-S03:V5ID = 200,PSTN = OFF,CTRL = OFF,BCC = OFF,LINKC = ON,PROT = OFF, HEX = OFF

...

DISPLAYING FOR ALL THE REGISTERED V5 INTERFACE ID

V5ID = 10, PORTID = 3001

V5ID = 10, PORTID = 2005

V5ID = 160, PORTID = 3002

...

V5ID = 100, PORTID = 0008

DISPLAYING ALL THE REGISTERED SUBSCRIBERS. UP TO TEN SUBSCRIBERS AT THE MAXIMUM

FIG. 3A

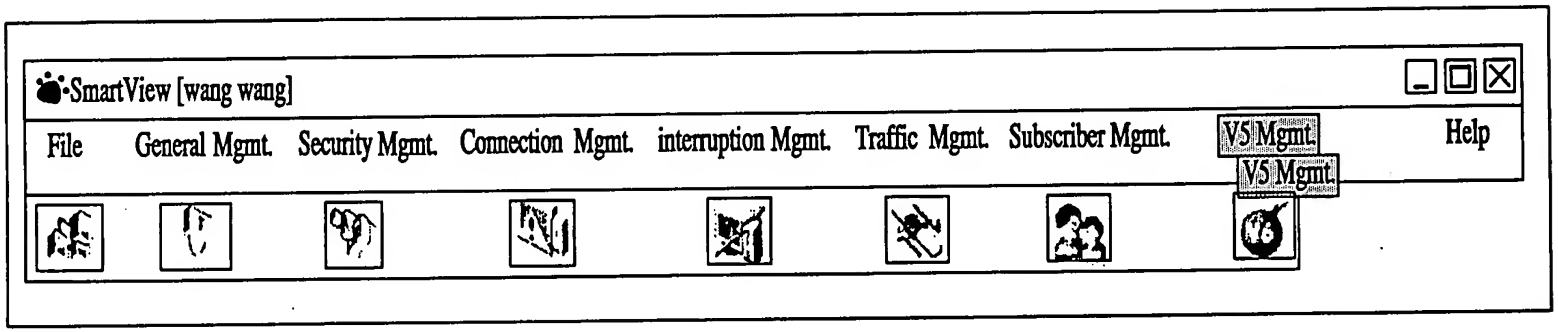

SmartView [wang wang]
File
General Mgmt.
Security Mgmt.
Connection Mgmt.
interruption Mgmt.
Traffic Mgmt.
Subscriber Mgmt.
V5 Mgmt.
V5 Mgmt.
Help

FIG. 3B

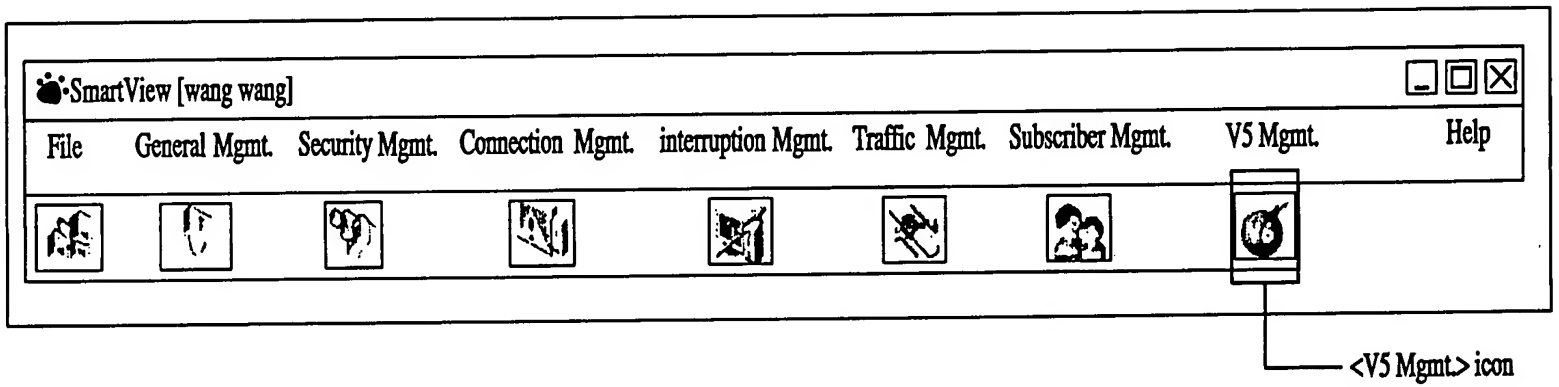

SmartView [wang wang]
File
General Mgmt.
Security Mgmt.
Connection Mgmt.
interruption Mgmt.
Traffic Mgmt.
Subscriber Mgmt.
V5 Mgmt.
Help
<V5 Mgmt.> icon

FIG. 3C

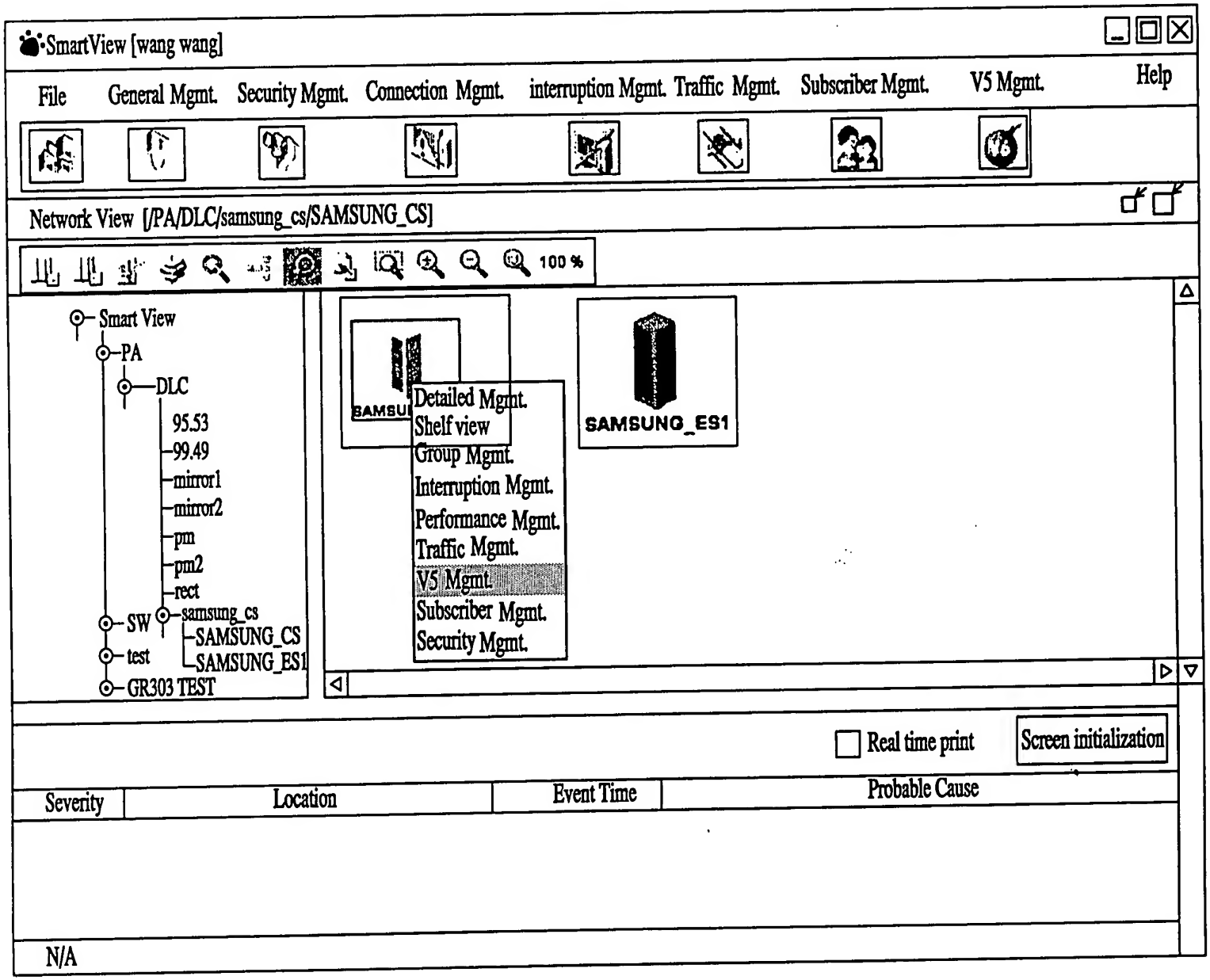

SmartView [wang wang]
File
General Mgmt.
Security Mgmt.
Connection Mgmt.
interruption Mgmt.
Traffic Mgmt.
Subscriber Mgmt.
V5 Mgmt.
Help
Network View [/PA/DLC/samsung_cs/SAMSUNG_CS]
100 %
Smart View
PA
DLC
95.53
99.49
mirror1
mirror2
pm
pm2
rect
SW
samsung_cs
SAMSUNG_CS
SAMSUNG_ES1
test
GR303 TEST
SAMSU
Detailed Mgmt.
Shelf view
Group Mgmt.
Interruption Mgmt.
Performance Mgmt.
Traffic Mgmt.
V5 Mgmt.
Subscriber Mgmt.
Security Mgmt.
SAMSUNG_ES1
Real time print
Screen initialization
Severity
Location
Event Time
Probable Cause
N/A

FIG. 3D

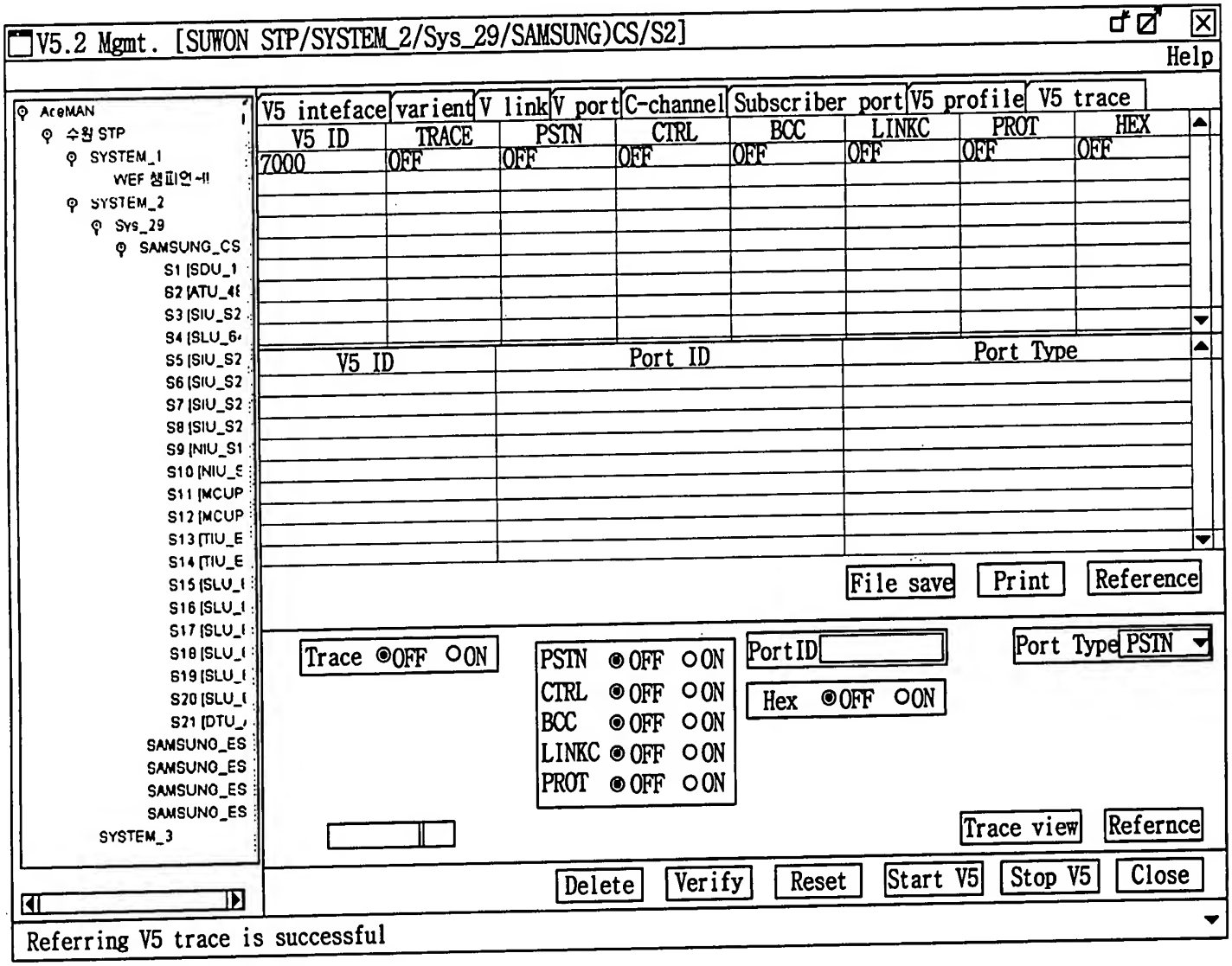

V5.2 Mgmt. [SUWON STP/SYSTEM_2/Sys_29/SAMSUNG)CS/S2]
Help
AceMAN
수원 STP
SYSTEM_1
SYSTEM_2
Sys_29
SAMSUNG_CS
SYSTEM_3
V5 inteface
varient
V link
V port
C-channel
Subscriber port
V5 profile
V5 trace
V5 ID
TRACE
PSTN
CTRL
BCC
LINKC
PROT
HEX
7000
OFF
Port ID
Port Type
File save
Print
Reference
Trace OFF ON
PSTN OFF ON
CTRL OFF ON
BCC OFF ON
LINKC OFF ON
PROT OFF ON
PortID
Hex OFF ON
Port Type PSTN
Trace view
Refernce
Delete
Verify
Reset
Start V5
Stop V5
Close
Referring V5 trace is successful

FIG. 3E

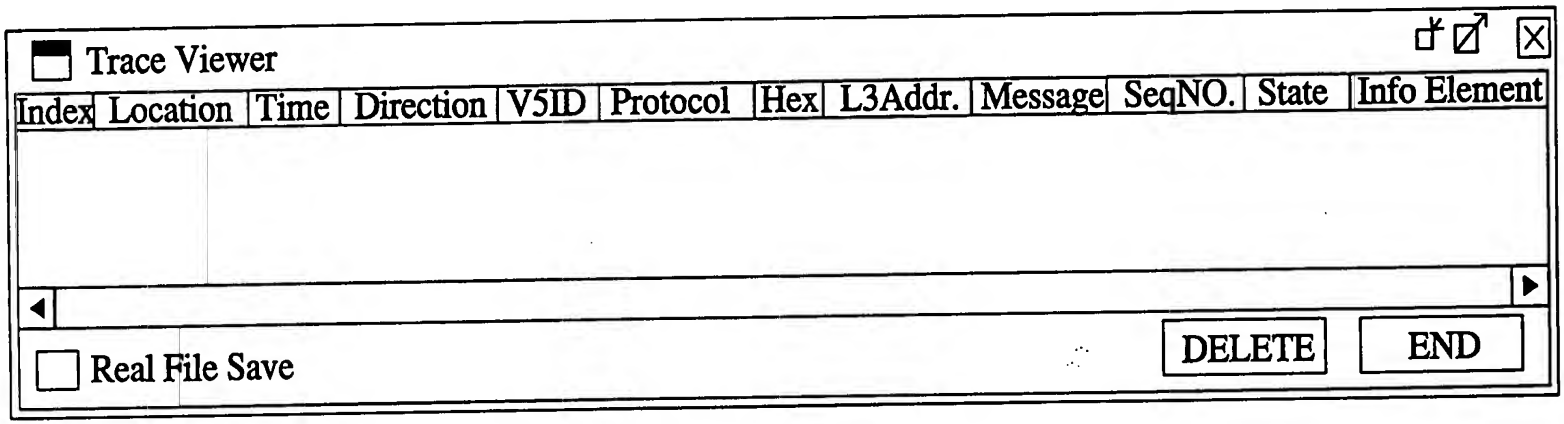

Trace Viewer
Index
Location
Time
Direction
V5ID
Protocol
Hex
L3Addr.
Message
SeqNO.
State
Info Element
Real File Save
DELETE
END

FIG. 4A

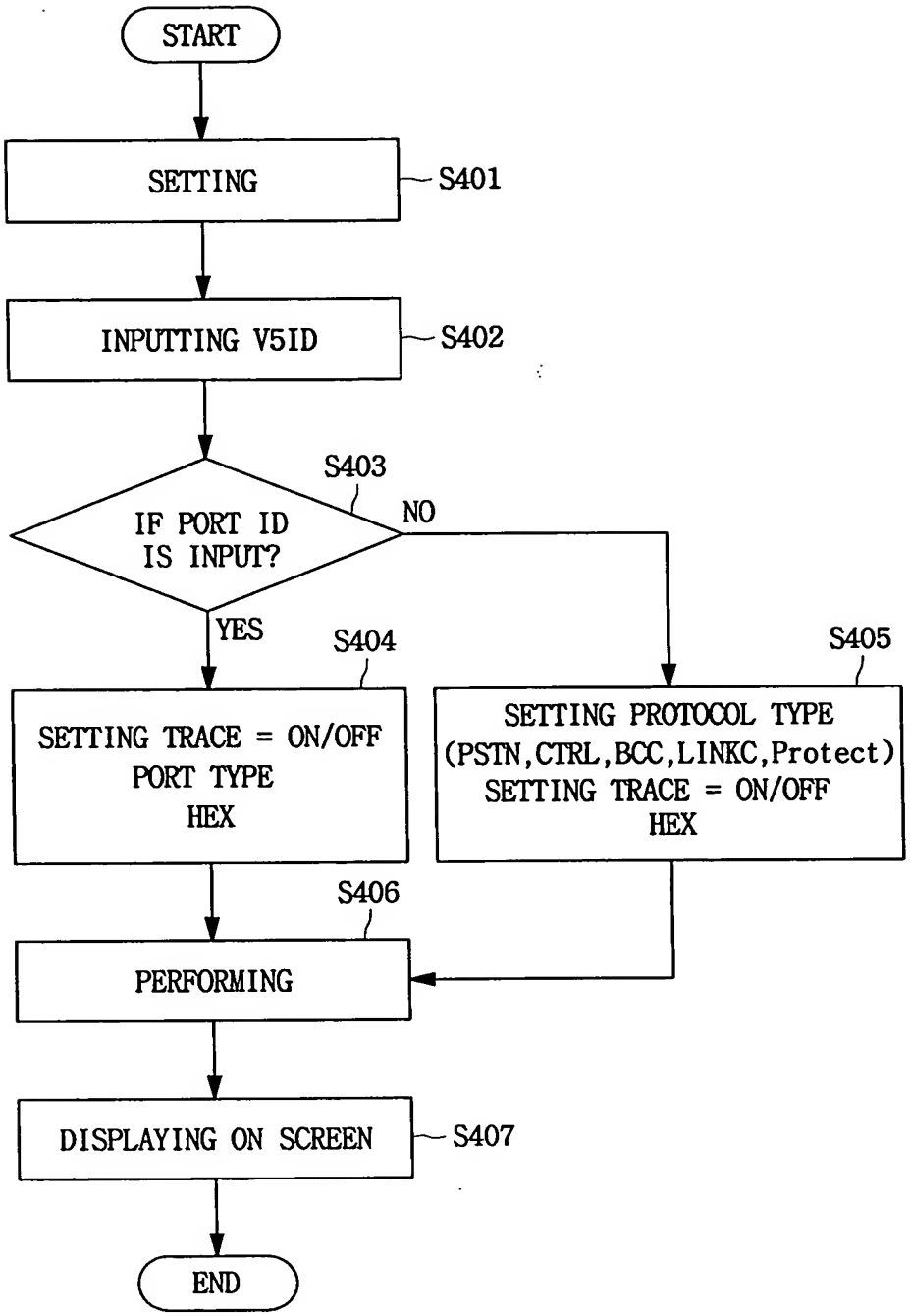

START
SETTING
S401
INPUTTING V5ID
S402
S403
IF PORT ID IS INPUT?
NO
YES
S404
SETTING TRACE = ON/OFF
PORT TYPE
HEX
S405
SETTING PROTOCOL TYPE
(PSTN,CTRL,BCC,LINKC,Protect)
SETTING TRACE = ON/OFF
HEX
S406
PERFORMING
DISPLAYING ON SCREEN
S407
END

FIG. 4B

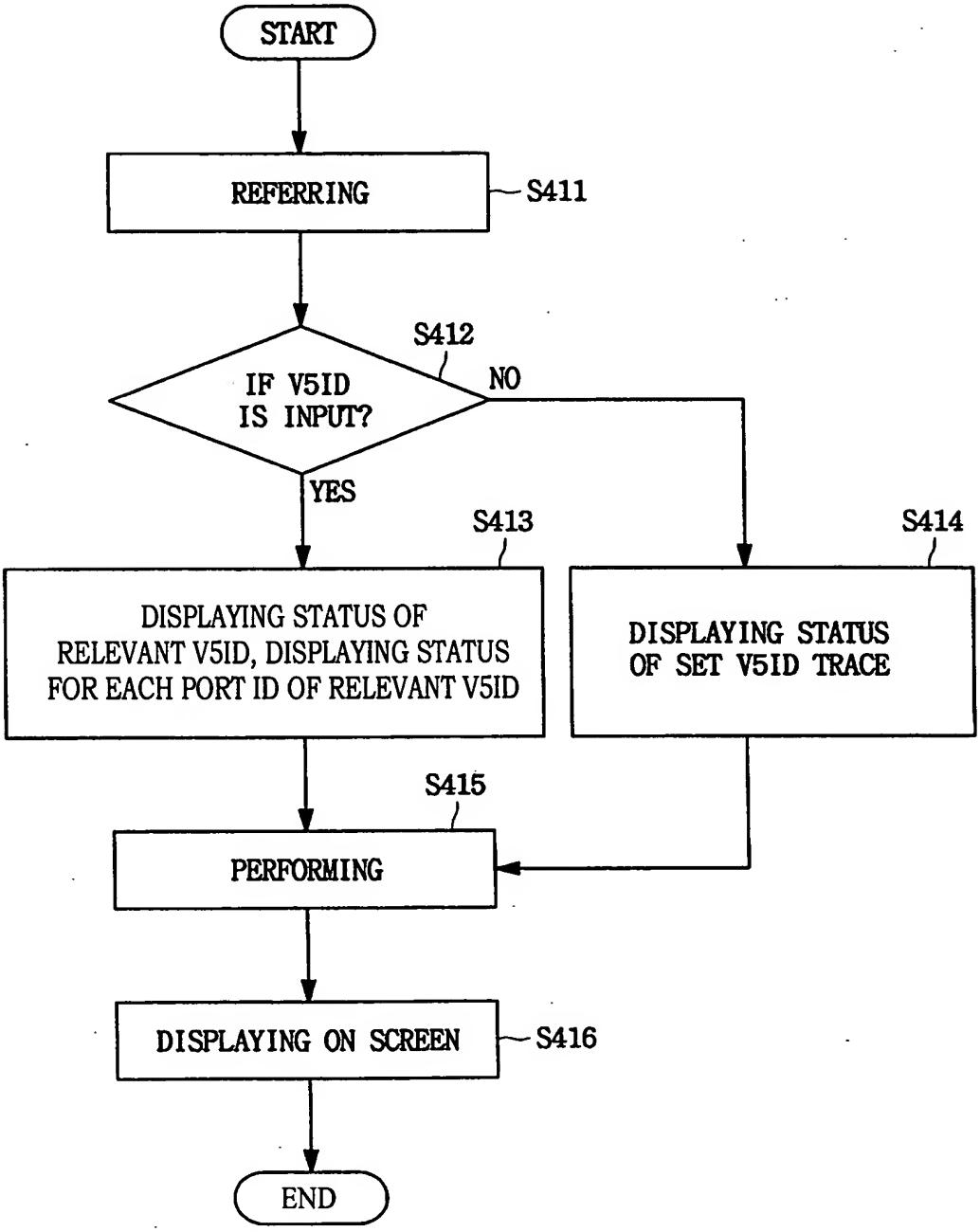
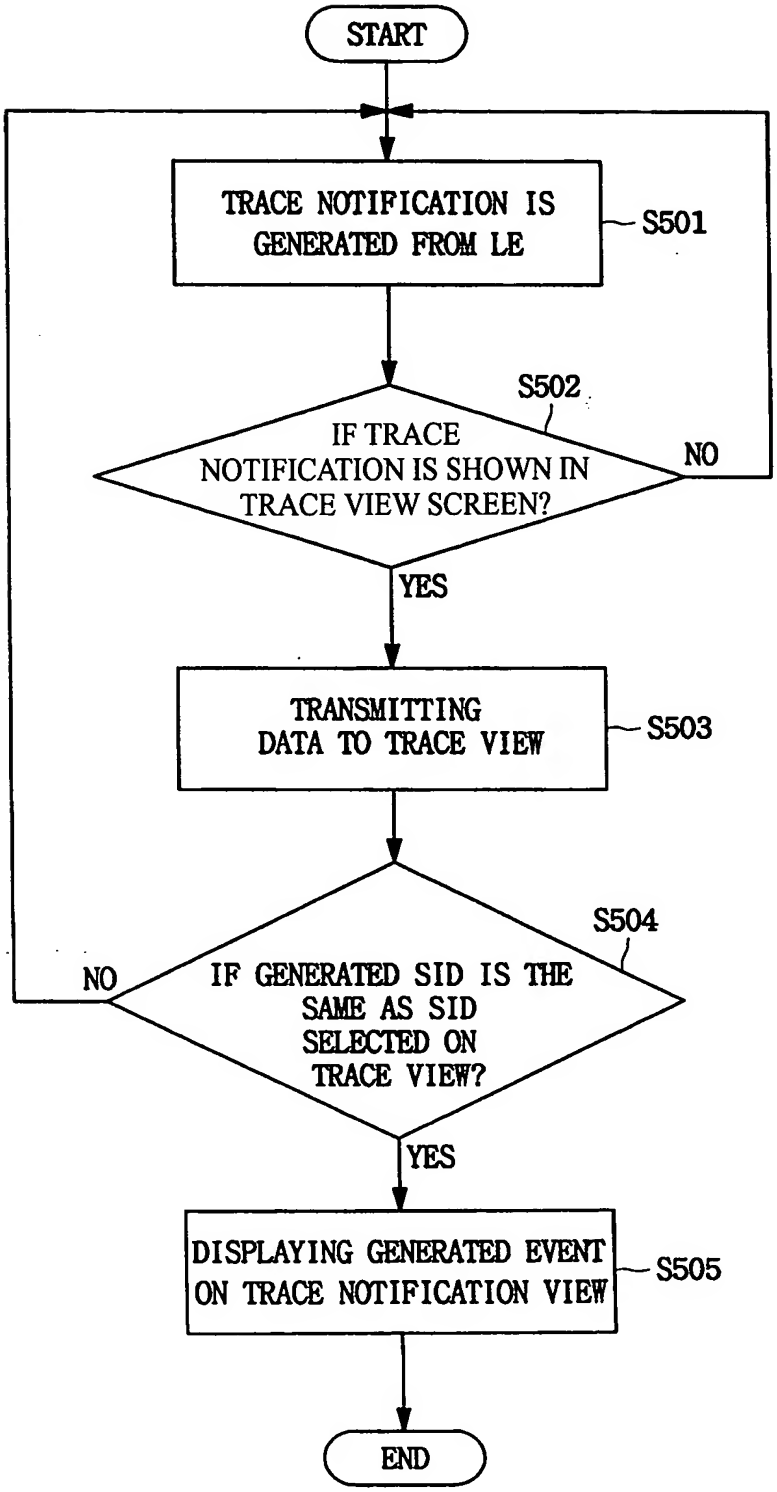

START
REFERRING
S411
S412
IF V5ID IS INPUT?
NO
YES
S413
S414
DISPLAYING STATUS OF RELEVANT V5ID, DISPLAYING STATUS FOR EACH PORT ID OF RELEVANT V5ID
DISPLAYING STATUS OF SET V5ID TRACE
S415
PERFORMING
DISPLAYING ON SCREEN
S416
END

FIG. 5


START
TRACE NOTIFICATION IS GENERATED FROM LE
S501
S502
IF TRACE NOTIFICATION IS SHOWN IN TRACE VIEW SCREEN?
NO
YES
TRANSMITTING DATA TO TRACE VIEW
S503
S504
IF GENERATED SID IS THE SAME AS SID SELECTED ON TRACE VIEW?
NO
YES
DISPLAYING GENERATED EVENT ON TRACE NOTIFICATION VIEW
S505
END